



2813

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Tyler A. Lowrey

Serial No.: 10/020,757

Filed: October 30, 2001

For: Phase Change Material  
Memory Device§  
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Art Unit: 2813

Examiner: Laura Schillinger

Docket: ITO.0513US  
P133415/12  
1 Step re  
3-26-03Commissioner for Patents  
Washington, DC 20231REPLY TO PAPER NO. 4

Sir:

In response to the office action mailed February 14, 2003, please amend the above  
referenced patent application as follows:

RECEIVED  
MAR 21 2003  
TECHNOLOGY CENTER 2800IN THE CLAIMS✓  
Please cancel claims 11-30.Please add the following new claims 31 *et seq.*

31 (New). The method of claim 1 including forming the lower electrode and covering  
the lower electrode with a protective layer in the same chamber.

32 (New). The method of claim 31 including depositing the lower electrode and the  
protective layer in the same deposition chamber.

33 (New). The method of claim 32 including depositing the electrode and protective  
layer in the same deposition chamber without venting back to atmosphere.

Date of Deposit: March 13, 2003

I hereby certify under 37 CFR 1.8(a) that this correspondence is  
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mail with sufficient postage on the date indicated above and is  
addressed to the Commissioner for Patents, Washington DC 20231.

  
Cynthia L. Hayden